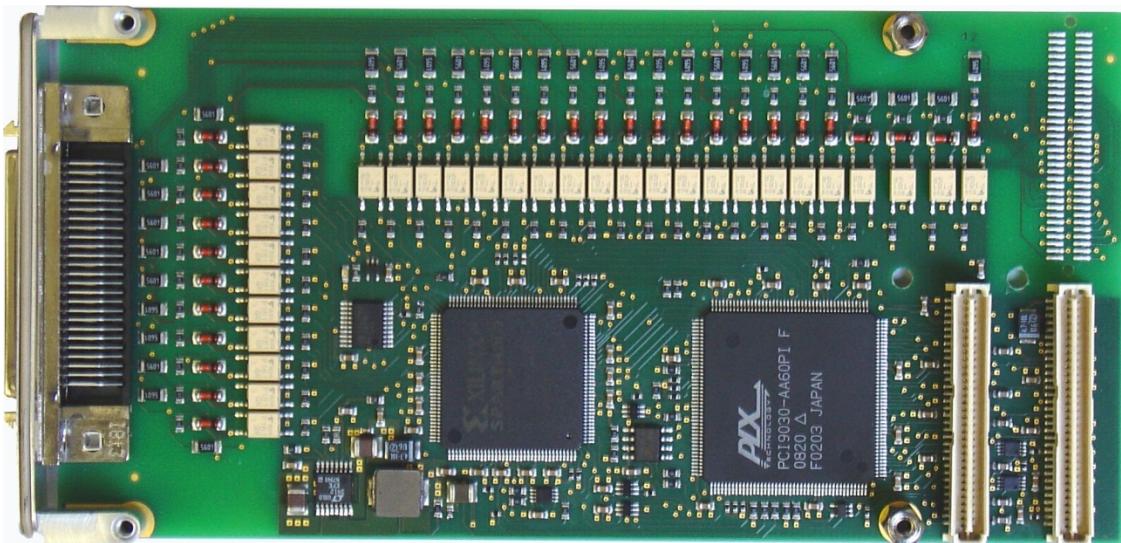


TPMC600 32 / 16 Interrupt Generating Digital Inputs (24V)**Application Information**

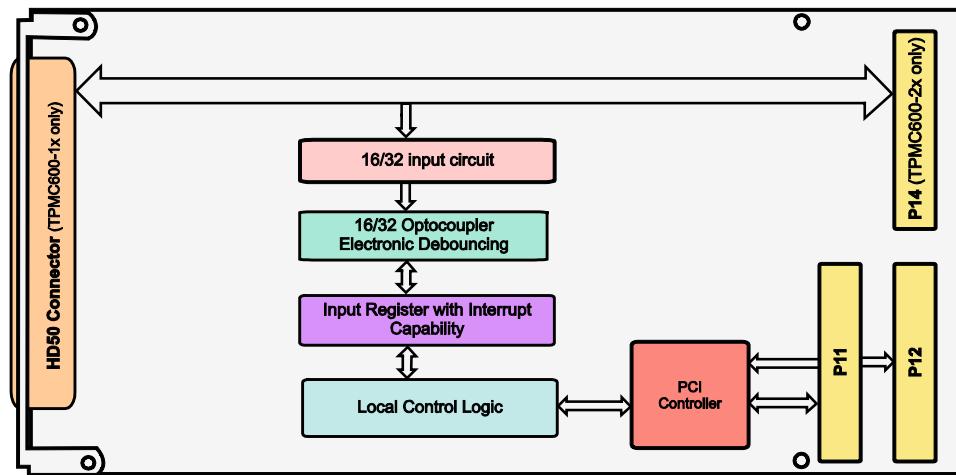
The TPMC600 is a PMC compatible module and has 32 digital inputs galvanically isolated by optocouplers. The individual inputs are separated in groups of 4 sharing a common ground input. These groups are potential free to each other. A high performance input circuit ensures a defined switching point and polarization protection against confusing the pole. All inputs have an electronic debounce circuit with a programmable debounce time.

A version with 16 inputs is also available where modules with front respectively back panel I/O are available. All inputs can generate an interrupt. The signal edge handling is programmable.

Software Support (TPMC600-SW-xx) for different operating systems is available.

Technical Information

- Form Factor: Standard single-width 32 bit PMC module conforming to IEEE P1386.1
 - Board size: 149 mm x 74 mm
- PCI r2.2 compliant interface, 32 bit, 33 MHz
- 3.3V and 5V PCI Signaling Voltage
- 32 / 16 interrupt generating digital inputs
- 24 V signal voltage for inputs, other voltages on request
- Optocoupler for galvanic isolation of inputs to computer
- All inputs isolated to each other in groups of four inputs
- Protection against confusing the pole
- Programmable electronic debounce circuit (7µs to 440ms in steps of 7µs)
- Operating temperature: -40°C to +85°C



Order Information

RoHS Compliant

- TPMC600-10R** 32 Interrupt Generating Digital Inputs, Front panel I/O, HD50
- TPMC600-11R** 16 Interrupt Generating Digital Inputs, Front panel I/O, HD50
- TPMC600-20R** 32 Interrupt Generating Digital Inputs, P14 I/O
- TPMC600-21R** 16 Interrupt Generating Digital Inputs, P14 I/O

For the availability of non-RoHS compliant (leaded solder) products please contact TEWS.

Documentation

- TPMC600-DOC** User Manual

Software

- TPMC600-SW-25** Integrity Software Support
- TPMC600-SW-42** VxWorks Software Support (Legacy and VxBus-Enabled Software Support)
- TPMC600-SW-65** Windows Software Support
- TPMC600-SW-72** LynxOS Software Support
- TPMC600-SW-82** Linux Software Support
- TPMC600-SW-95** QNX Software Support

For other operating systems please contact TEWS.

Related Products

- TA301** Cable Kit for modules with HD50 connector
- TPIM001** PIM I/O Module with HD50 SCSI-2 type connector